

## MATERIAL FACT SHEET

### 314066 RV-13FRLM-R

#### General Data

|                     |                                        |
|---------------------|----------------------------------------|
| Product Hierarchy   | IAG25402                               |
|                     | ROBOT                                  |
|                     | RV-13FR-R                              |
| Ext. Material Group | 10 STANDARD ITEM                       |
| ABC Indicator       | C (Non-Stock Material / Make-to-Order) |

e-shop: [https://mitsubishi-electric-eshop.mee.com/mee/FA\\_IJA/EUR/en/p/000000000000314066](https://mitsubishi-electric-eshop.mee.com/mee/FA_IJA/EUR/en/p/000000000000314066)

#### Product Components

|                                      |               |
|--------------------------------------|---------------|
| <a href="#">313099 / RV-13FRLM-D</a> | 1 pc required |
| <a href="#">313101 / 4F-R16RTCPU</a> | 1 pc required |

#### FA-Robot: Robotssystem

|                            |                      |
|----------------------------|----------------------|
| Series                     | RV-FR SERIES         |
| Type                       | VERTICAL             |
| Payload (kg)               | 13                   |
| Max. Reach Radius (mm)     | 1388                 |
| Environment specification  | OIL MIST             |
| Controller Type            | CR800-R              |
| Cycle Time (s)             | 0,68                 |
| Speed (mm/s)               | 9700                 |
| Repeatability (mm)         | 0,05                 |
| Installation Method        | FLOOR, CEILING, WALL |
| Protection Class           | IP67                 |
| Power Supply 1 Phase (VAC) | 230                  |
| Power Supply 3 Phase (VAC) | 200-230              |
| Power Consumption (VA)     | 3000                 |
| Operating Range J1 (deg)   | 380                  |
| Operating Range J2 (deg)   | 240                  |
| Operating Range J3 (deg)   | 167,5                |
| Operating Range J4 (deg)   | 400                  |
| Operating Range J5 (deg)   | 240                  |
| Operating Range J6 (deg)   | 720                  |

#### Product Dimensions & Weight

|             |        |
|-------------|--------|
| Width (mm)  | 347    |
| Height (mm) | 1143,1 |
| Depth (mm)  | 1028   |
| Weight (kg) | 130    |

#### Logistic Dimensions & Gross Weight

|                   |           |
|-------------------|-----------|
| Length (cm)       | 162,0     |
| Width (cm)        | 82,0      |
| Height (cm)       | 126,0     |
| Gross Weight (kg) | 233,000   |
| Volume (cdm)      | 1.673,784 |

#### Stock Data

|                              |    |
|------------------------------|----|
| Planned Delivery Time (Days) | 45 |
|------------------------------|----|

#### Life Cycle

|             |                |
|-------------|----------------|
| Sales Start | 01.07.2017     |
| Predecessor | No Predecessor |

### Additional Product Information

|                            |                             |
|----------------------------|-----------------------------|
| Binding Tariff Information | DEBTI-10891/21-1            |
| BTI validity date          | 27.06.2024                  |
| Battery included           | YES - CHECK SPARE PART LIST |

### Export Data

|                                          |            |
|------------------------------------------|------------|
| Legal Control (Dual Use List)            | Not Listed |
| Country of Origin                        | Japan (JP) |
| Preference Status (Supplier Declaration) | Non EU     |

### Environmental

|                            |        |
|----------------------------|--------|
| REACH Limit Exceeded       | NO     |
| Dangerous Goods Class      | 9      |
| Dangerous Goods Identifier | UN3091 |
| WEEE                       | B2B    |

### Conformity

|      |           |
|------|-----------|
| CE   | COMPLIANT |
| UKCA | COMPLIANT |

### Documentation & Media Data

|                            |                                                                                                                                                                                                                                                                                           |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Manual URL Indicator       | <a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2f94&amp;q=RV-13FRLM-R&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2f94&amp;q=RV-13FRLM-R&amp;doc-lang=en</a>   |
| Certificates URL Indicator | <a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=RV-13FRLM-R&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=RV-13FRLM-R&amp;doc-lang=en</a> |
| CAD URL Indicator          | <a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=RV-13FRLM-R&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=RV-13FRLM-R&amp;doc-lang=en</a> |

### Product Packaging

|                   |       |
|-------------------|-------|
| Cardboard (g)     | 27926 |
| Other paper (g)   | 120   |
| Aluminum (g)      | 0     |
| Steel (g)         | 70    |
| Styrofoam (g)     | 0     |
| Other plastic (g) | 1302  |
| Wood (g)          | 36900 |
| Glass (g)         | 0     |
| Others (g)        | 500   |

### Spare parts

| Material               | Description                             | Quantity | Unit |
|------------------------|-----------------------------------------|----------|------|
| <a href="#">589480</a> | RV-7FRL/13FR/FRL/20FR MOTOR J3          | 1        | PC   |
| <a href="#">502664</a> | RV-4F/7F MOTOR HG-KR43BK-S920052(400W)  | 1        | PC   |
| <a href="#">598367</a> | RV-4F/7F MOTOR HG-KR13D-S920061         | 1        | PC   |
| <a href="#">278291</a> | RV-13FRL/7FRL DECELERATOR J1 (13FR J2)  | 1        | PC   |
| <a href="#">278292</a> | RV-20FR DECEL. J1/J2 (7FRL/13FRL) J2    | 1        | PC   |
| <a href="#">278294</a> | RV-7FRL/13FRL/20FR DECELERATOR J3       | 1        | PC   |
| <a href="#">278295</a> | RV-7FR/13FR/13FRL HARMONIC DRIVE J4     | 1        | PC   |
| <a href="#">278297</a> | RV-13FR/13FRL HARMONIC DRIVE J5         | 1        | PC   |
| <a href="#">278299</a> | RV-13FR(L)/20FR HARMONIC DRIVE J6       | 1        | PC   |
| <a href="#">278302</a> | RV-13FR(L)/20FR CROSS ROLLER BEARING J5 | 1        | PC   |
| <a href="#">278303</a> | RV-13FR(L)/20FR CROSS ROLLER BEARING J6 | 1        | PC   |
| <a href="#">278305</a> | RV-13FR(L)/20FR GEAR R                  | 1        | PC   |
| <a href="#">278306</a> | RV-13FR(L)/20FR GEAR L                  | 1        | PC   |
| <a href="#">278307</a> | RV-7FRL/13FR(L)/20FR BUSH 02            | 1        | PC   |
| <a href="#">278308</a> | RV-7FRL/13FR(L)/20FR BUSH 03            | 1        | PC   |
| <a href="#">265210</a> | RH-3CH/6CH/6CRH BALL BEARING 6805DDU    | 1        | PC   |
| <a href="#">278309</a> | RV-7FRL/13FR(L)/20FR BALL BEARING 6808  | 1        | PC   |
| <a href="#">164946</a> | RH-13/20/7FL(L) BALL BEARING 6809DD     | 1        | PC   |
| <a href="#">278311</a> | RV-13FR(L)/20FR BALL BEARING EA7L       | 1        | PC   |
| <a href="#">278312</a> | RV-13FR(L)/20FR BALL BEARING F698DD     | 1        | PC   |
| <a href="#">265209</a> | RV-5AS-D BALL BEARING F608ZZ            | 1        | PC   |
| <a href="#">237507</a> | RH-13F/20F/7FLL BALL BEARING 6905DDU    | 1        | PC   |
| <a href="#">164945</a> | RV-3SB/3SJB BALL BEARING 687MC3         | 1        | PC   |
| <a href="#">265209</a> | RV-5AS-D BALL BEARING F608ZZ            | 1        | PC   |
| <a href="#">278315</a> | RV-7FRL/13FR(L)/20FR TIMING PULLEY J4A  | 2        | PC   |
| <a href="#">278316</a> | RV-7FRL/13FR(L)/20FR TIMING PULLEY J4B  | 1        | PC   |
| <a href="#">265219</a> | RV-4/7FR(L)/M TIMING PULLEY J4AJ5A      | 1        | PC   |
| <a href="#">278318</a> | RV-13FR(L)/20FR TIMING PULLEY J5        | 1        | PC   |
| <a href="#">265222</a> | RV-7/13/20 FRL(L)/M TIMING PULLEY J5B   | 1        | PC   |

| Material               | Description                              | Quantity | Unit |
|------------------------|------------------------------------------|----------|------|
| <a href="#">415613</a> | RV-13/20FR/7FRLL TIMING BELT J4          | 1        | PC   |
| <a href="#">415614</a> | RV-13/20FR TIMING BELT J5                | 1        | PC   |
| <a href="#">415615</a> | RV-13/20FR TIMING BELT J6                | 1        | PC   |
| <a href="#">278325</a> | RV-7FRLL/13FR(L)/20FR OILSEAL 230 M-TYPE | 1        | PC   |
| <a href="#">278326</a> | RV-7FRLL/13FR(L)/20FR OILSEAL 8(FKM)     | 4        | PC   |
| <a href="#">278327</a> | RV-7FRLL/13FR(L)/20FR OILSEAL 15(FKM)    | 2        | PC   |
| <a href="#">265239</a> | RV-7/13/20FRL(L)/M OILSEAL TC175X190     | 2        | PC   |
| <a href="#">278328</a> | RV-7FRLL/13FR(L)/20FR OILSEAL AD25       | 1        | PC   |
| <a href="#">278329</a> | RV-7FRLL/13FR(L)/20FR OILSEAL AD36       | 1        | PC   |
| <a href="#">265241</a> | RV-4/7/13/20FRL/M OILSEAL M-110          | 1        | PC   |
| <a href="#">265242</a> | RV-4/13/20FRL/M OILSEAL M-84             | 1        | PC   |
| <a href="#">278330</a> | RV-13FR(L)/20FR OILSEAL AD12             | 1        | PC   |
| <a href="#">265234</a> | RV-4/7/13/20FRL(L) OILSEAL AD 10 20 5    | 1        | PC   |
| <a href="#">278331</a> | RV-13FR(L)/20FR OILSEAL AD30 M-TYPE      | 1        | PC   |
| <a href="#">265245</a> | RV-4/7FR(L)/M O RING CO0522A             | 1        | PC   |
| <a href="#">278333</a> | RV-7FRLL/13FR(L)/20FR O RING 55 M&C TYPE | 1        | PC   |
| <a href="#">278334</a> | RV-13FR(L)/20FR O-RING CO02A             | 1        | PC   |
| <a href="#">278405</a> | RV-7FRLL/13FR(L)/20FR FELT J4A           | 1        | PC   |
| <a href="#">278406</a> | RV-7FRLL/13FR(L)/20FR FELT J4B           | 1        | PC   |
| <a href="#">415320</a> | RV-FR INTERNAL PCB DQ392                 | 1        | PC   |
| <a href="#">415321</a> | RV-FR INTERNAL PCB DQ006                 | 1        | PC   |
| <a href="#">415452</a> | RV-FR BATTERY HOLDER                     | 4        | PC   |
| 278335                 | RV-7FRLL/13FR(L)/20FR CARD SPACER        | 2        | PC   |
| <a href="#">262558</a> | RH-12/20FRH CONNECTOR IL-2S-S3L(N)       | 1        | PC   |
| <a href="#">237583</a> | RH-12/20FRH GREASE NIPPLE WA610 NYLON    | 4        | PC   |
| <a href="#">278336</a> | RV-7FRLL/13FR(L)/20FR GREASE NIPPLE 1    | 3        | PC   |
| <a href="#">249985</a> | RH-13F/20F/7FLL TAPER SCREW SUS ANA R1/8 | 7        | PC   |
| <a href="#">262557</a> | RH-13F/20F/7FLL PIN H7-6x12              | 7        | PC   |
| 164975                 | RH-12/20FRH PARALLEL PIN H74x8           | 3        | PC   |
| 164974                 | RV-13/20FR/7FRLL KEY                     | 2        | PC   |
| 237579                 | RH-6CRHK KEY IPPAN W-MARU 3X3X6          | 1        | PC   |
| 278337                 | RV-7FRLL/13FR(L)/20FR KEY 4X4            | 1        | PC   |
| <a href="#">237540</a> | RV-5AS-D SEAL WASHER(M6)                 | 5        | PC   |
| 265268                 | RV-4/7/13/20FRL/M SEAL WASHER 4X7.2      | 9        | PC   |
| 249980                 | RH-13F/20F/7FLL AIR JOINT UKB6           | 2        | PC   |
| <a href="#">265259</a> | RV-4/7/13/20FRL/M UNION AIR JOINT UKB8   | 1        | PC   |
| <a href="#">278338</a> | RV-7FRLL/13FR(L)/20FR PLUG UP6           | 4        | PC   |
| 243688                 | RH-12/20FRH PLUG UP8                     | 1        | PC   |
| <a href="#">265260</a> | RV-4/7/13/20FRL(L)/M CABLE CLAMP -WS10M  | 2        | PC   |
| <a href="#">237585</a> | RV-8CRL LOW HEAD CAP SCREW SSH-EL-M6     | 5        | PC   |
| <a href="#">249976</a> | RH-13F/20F/7FLL SNAP RING ANA-C37        | 1        | PC   |
| 164987                 | RH-13F/20F/7FLL RUBBER SHEET 300x30      | 2        | PC   |
| <a href="#">278340</a> | RV-7FRLL/13FR(L)/20FR RUBBER SHEET 6     | 6        | PC   |
| <a href="#">278341</a> | RV-7FRLL/13FR(L)/20FR RUBBER SHEET 7     | 1        | PC   |
| 278342                 | RV-13FR(L)/20FR RUBBER SHEET 8           | 1        | PC   |
| 278343                 | RV-7FRLL/13FR(L)/20FR RUBBER SHEET 9     | 1        | PC   |
| <a href="#">237596</a> | RH-13F/20F/7FLL RUBBER SHEET             | 1        | PC   |
| 164971                 | RH-13/20/7FL(L) SILICONE TUBE            | 1        | PC   |
| <a href="#">317013</a> | RH-3/6CH/CRH CABLE CLAMP AL6             | 1        | PC   |
| 164984                 | RH-13F/20F/7FLL CABLE CLAMP AL4          | 2        | PC   |
| <a href="#">278344</a> | RV-13FR(L)/20FR SHIM J6 T0.1             | 2        | PC   |
| <a href="#">278345</a> | RV-13FR(L)/20FR SHIM J6 T0.3             | 1        | PC   |
| <a href="#">278346</a> | RV-13FR(L)/20FR SHIM J6 T0.5             | 1        | PC   |
| <a href="#">410994</a> | RH-12/20FH POWER CABLE 1F-05UCBL-41      | 1        | PC   |
| <a href="#">415617</a> | RV-13FRL INTERNAL HARNESS                | 1        | PC   |
| <a href="#">415319</a> | RV-2FR/L/B INTERNAL HARNESS 1            | 1        | PC   |
| <a href="#">278350</a> | RV-7FRLL/13FR(L)/20FR CONBOX WIRING ASSY | 1        | PC   |
| <a href="#">278351</a> | RV-13FR(L)/20FR BRAKE CABLE ASSY J6      | 1        | PC   |
| 278355                 | RV-13FR(L)/20FR HEAT CONDUCTION SEAT J6  | 1        | PC   |
| 278356                 | RV-13FR(L)/20FR HEAT CONDUCTION J6B      | 2        | PC   |
| <a href="#">278358</a> | RV-7FRLL/13FR(L)/20FR STOPPER B          | 2        | PC   |
| <a href="#">278359</a> | RV-8CRL STOPPER A                        | 4        | PC   |
| <a href="#">278362</a> | RV-7FRLL/13FR(L)/20FR COVER SHOULDER STD | 1        | PC   |
| <a href="#">278364</a> | RV-7FRLL/13FR(L)/20FR CVR SHOULDER R STD | 1        | PC   |
| <a href="#">278366</a> | RV-7FRLL/13FR(L)/20FR COVER ARM NO1 STD  | 1        | PC   |
| 278368                 | RV-7FRLL/13FR(L)/20FR COVER ELBOW U STD  | 1        | PC   |
| <a href="#">278370</a> | RV-13FR(L)/20FR COVER ARM NO2            | 2        | PC   |
| <a href="#">265282</a> | RV-4/7/13/20FRL(L)/M COVER CONBOX        | 1        | PC   |
| <a href="#">265309</a> | RV-4/7FRL/M COVER CONBOX R2              | 1        | PC   |
| <a href="#">278379</a> | RV-13FRL COVER CONBOX R                  | 1        | PC   |

| Material               | Description                              | Quantity | Unit |
|------------------------|------------------------------------------|----------|------|
| 278383                 | RV-13FR(L)/20FR COVER CONBOX R C&M-TYPE  | 1        | PC   |
| <a href="#">278384</a> | RV-13FR(L)/20FR COVER WRIST              | 1        | PC   |
| 278391                 | RV-13FR(L)/20FR PACKING C&M-TYPE         | 1        | PC   |
| <a href="#">278392</a> | RV-13FR(L)/20FR FIXED BRACKET            | 1        | PC   |
| <a href="#">278394</a> | RV-7FRLL/13FR(L)/20FR TRANSPORT TOOL L   | 1        | PC   |
| <a href="#">278395</a> | RV-7FRLL/13FR(L)/20FR TRANSPORT TOOL R   | 1        | PC   |
| 237636                 | RV-5AS-D DIRECTION MARK                  | 1        | PC   |
| 237602                 | RH-3CH/6CH/6CRH ALIGNMENT MARK (MINI)    | 12       | PC   |
| 237606                 | RH-12/20FRH EARTH NAMEPLATE              | 1        | PC   |
| 237607                 | RH-12/20FRH CHARGING PART CAUTIONS NAMEP | 1        | PC   |
| 237604                 | RH-12/20FRH COORDINATES DIRECTION MARK a | 1        | PC   |
| 237605                 | RH-12/20FRH COORDINATES DIRECTION MARK b | 1        | PC   |
| 265338                 | RV-4/7FRL/M AIR PURGE MARK               | 1        | PC   |
| 278396                 | RV-7FRLL/13FR(L)/20FR CABLE CLAMP AL3    | 2        | PC   |
| 134302                 | GLUE 242 LOCTITE 250ml                   | 1        | PC   |
| <a href="#">134305</a> | LIQUID GASKET WHITE THREE BOND 1212      | 1        | PC   |
| <a href="#">278398</a> | RV-13FR(L)/20FR HEAT CONDUCTION SEAT     | 1        | PC   |
| <a href="#">278403</a> | RV-5AS SAFETY SOCKET M4                  | 2        | PC   |
| 134304                 | ROBOT SILICONE GREASEG501 1KG            | 1        | PC   |
| <a href="#">278414</a> | RV-7FRLL/13FR(L)/20FR FELT J4D           | 1        | PC   |
| <a href="#">278415</a> | RV-7FRLL/13FR(L)/20FR FELT J4E           | 2        | PC   |
| <a href="#">278399</a> | RV-5AS EJECTOR PIN                       | 1        | PC   |
| <a href="#">278404</a> | RV-8CRL SAFETY SOCKET M6                 | 4        | PC   |
| 278400                 | RV-13FR(L)/20FR ORIGIN JIG SET J6        | 1        | PC   |
| <a href="#">262557</a> | RH-13F/20F/7FLL PIN H7-6x12              | 1        | PC   |
| <a href="#">405791</a> | CR800 PCB CONVERTER DQ801A               | 1        | PC   |
| <a href="#">602876</a> | CR800 PCB CPU DQ171D                     | 1        | PC   |
| 278401                 | RV-13FR(L)/20FR ORIGIN JIG J6A           | 1        | PC   |
| 278402                 | RV-13FR(L)/20FR ORIGIN JIG J6B           | 1        | PC   |
| <a href="#">405788</a> | CR800 PCB SERVO CPU DQ865B               | 1        | PC   |
| <a href="#">405789</a> | CR800 PCB SYSTEM IO DQ331B               | 1        | PC   |
| <a href="#">405795</a> | CR800 PCB INV. DQ881A 7FRLL/13FR/20FR    | 1        | PC   |
| <a href="#">405790</a> | CR800 PCB OPTIONAL SLOT DQ332A           | 1        | PC   |
| <a href="#">405801</a> | CR800 POWER SUPPLY UNTIL RV-7FR/RH20FR   | 1        | PC   |
| <a href="#">405802</a> | CR800 POWER SUPPLY 1FRHR/7FRLL/13FR/20FR | 1        | PC   |
| <a href="#">405805</a> | CR800 FUSE 500SF-20UL                    | 3        | PC   |
| <a href="#">405804</a> | CR800 NOISE FILTER FOR RV-7FR/13FR/20FR  | 1        | PC   |
| <a href="#">405806</a> | CR800 FUSE HOLDER                        | 3        | PC   |
| 220184                 | CR2D CR2Q OPTION COVER                   | 2        | PC   |
| <a href="#">405807</a> | CR800 OPTION CASE                        | 1        | PC   |
| <a href="#">220273</a> | CR800 TB CONNECTOR                       | 1        | PC   |
| <a href="#">262774</a> | NARC 750 FILTER DUST                     | 1        | PC   |
| <a href="#">262774</a> | NARC 750 FILTER DUST                     | 1        | PC   |
| <a href="#">405808</a> | CR800 CABLE BK0FA1078H01                 | 1        | PC   |
| <a href="#">405809</a> | CR800 CABLE BK0FA1078H02                 | 1        | PC   |
| <a href="#">262786</a> | NARC 750/751 LOCK EDGING SADDLE          | 1        | PC   |
| <a href="#">405810</a> | CR800 CABLE BK0FA1078H03                 | 1        | PC   |
| <a href="#">405811</a> | CR800 CABLE BK0FA1078H04                 | 3        | PC   |
| 220314                 | CR2D CR2Q CABLE GUIDE WS-1NS             | 8        | PC   |
| 220243                 | CR800 RUBBER MOUNT KG-010                | 7        | PC   |
| <a href="#">220304</a> | CR800 SPACER MPS-08-0                    | 1        | PC   |
| <a href="#">405812</a> | CR800 CONNECTOR U794D030G51              | 1        | PC   |
| <a href="#">405813</a> | CR800 CONNECTOR U794D030G52              | 1        | PC   |
| <a href="#">64687</a>  | FUSE 1,6A                                | 1        | PC   |
| <a href="#">405814</a> | CR800 ACIN CABLE BK0FA1006H53            | 1        | PC   |
| <a href="#">237852</a> | CR800 SEAL ATT. (ELECTRIFIC.) 114-406    | 1        | PC   |
| <a href="#">405815</a> | CR800 ACIN CABLE BK0FA1006H03            | 1        | PC   |
| <a href="#">405816</a> | CR800 CPU UNIT                           | 1        | PC   |
| <a href="#">238020</a> | CR800 SSCNET3 CABLE 10M-S 114-322        | 1        | PC   |
| <a href="#">405817</a> | CR800 FAN 1                              | 1        | PC   |
| 405818                 | CR800 FAN 2                              | 1        | PC   |
| <a href="#">248692</a> | MR-BAT6V1                                | 4        | PC   |
| <a href="#">589542</a> | RH-6FRH MOTOR J3 (200W)                  | 1        | PC   |
| <a href="#">604699</a> | RV-7FRLL/13FR/FRL/20FR MOTOR J1          | 2        | PC   |

#### Compatible products

| Material               | Description / Price List Text / Classification                                                            |
|------------------------|-----------------------------------------------------------------------------------------------------------|
| <a href="#">214968</a> | R32TB<br>Robot Teaching Box; Narc controller (standard version)<br>Class 100100602: FA-Robot: Teachingbox |

| Material               | Description / Price List Text / Classification                                                                                        |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">225756</a> | R32TB-15<br>Teaching box R32TB with 7 lines display and 15m cable length<br>Class 100100602: FA-Robot: Teachingbox                    |
| <a href="#">255285</a> | 1F-GR35S-02<br>RV-4F/RV-7F Hand output cable<br>Class 100100605: FA-Robot: Cable                                                      |
| <a href="#">255286</a> | 1F-HC35S-02<br>RV-4F/RV-7F Hand input cable<br>Class 100100605: FA-Robot: Cable                                                       |
| <a href="#">257935</a> | 1F-HA01S-01<br>RV-F External wiring set 1 for the robot base<br>Class 100100605: FA-Robot: Cable                                      |
| <a href="#">257936</a> | 1F-HB01S-01<br>RV-F External wiring set 1 for the forearm<br>Class 100100605: FA-Robot: Cable                                         |
| <a href="#">268039</a> | RV-F / RV-FR Connector Set<br>RV-4/7/13/20F(R) Connector Set<br>Class 100100607: FA-Robot: Other Option                               |
| <a href="#">268829</a> | 1F-VD01E-03<br>RV-13F/RV-20F Pneumatic single valve set incl. noise-inferior<br>Class 100100603: FA-Robot: Valve                      |
| <a href="#">268830</a> | 1F-VD02E-03<br>RV-13F/RV-20F Pneumatic double valve set incl. noise-inferior<br>Class 100100603: FA-Robot: Valve                      |
| <a href="#">268831</a> | 1F-VD03E-03<br>RV-13F/RV-20F Pneumatic triple valve set incl. noise-inferior<br>Class 100100603: FA-Robot: Valve                      |
| <a href="#">268832</a> | 1F-VD04E-03<br>RV-13F/RV-20F Pneumatic quadruple valve set incl. noise-inferior<br>Class 100100603: FA-Robot: Valve                   |
| <a href="#">271212</a> | 2F-YZ581<br>Encoder Distribution Unit for robot controller<br>Class 100100604: FA-Robot: Interface Card                               |
| <a href="#">271513</a> | 1F-HA02S-01<br>RV-F External wiring set 2 for the robot base<br>Class 100100605: FA-Robot: Cable                                      |
| <a href="#">271514</a> | 1F-HB02S-01<br>RV-F External wiring set 2 for the forearm<br>Class 100100605: FA-Robot: Cable                                         |
| <a href="#">273788</a> | 1F-DH-05J1<br>RV-13/20F J1 Stopper<br>Class 100100607: FA-Robot: Other Option                                                         |
| <a href="#">313061</a> | 4F-SF002-01<br>Safety option unit MELFA SafePlus for CR800 Controller<br>Class 100100604: FA-Robot: Interface Card                    |
| <a href="#">313062</a> | CR800-MB<br>Protection Box IP54 for CR800 Controller<br>Class 100100607: FA-Robot: Other Option                                       |
| <a href="#">313064</a> | 4F-FS002H-W200<br>Force Sensor Set 200N incl. Interface unit (2F-DQ561) for FR Series<br>Class 100100607: FA-Robot: Other Option      |
| <a href="#">313105</a> | 4F-FS002H-W1000<br>Force Sensor Set 1000N incl. Interface unit (2F-DQ561) for FR Series<br>Class 100100607: FA-Robot: Other Option    |
| <a href="#">313106</a> | 1F-10UCBL-41<br>Machine cable for CR800 controller, standard, 10m<br>Class 100100605: FA-Robot: Cable                                 |
| <a href="#">313107</a> | 1F-15UCBL-41<br>Machine cable for CR800 controller, standard, 15m<br>Class 100100605: FA-Robot: Cable                                 |
| <a href="#">313108</a> | 1F-10LUCBL-41<br>Machine cable for CR800 controller, high flexible, 10m<br>Class 100100605: FA-Robot: Cable                           |
| <a href="#">313109</a> | 1F-15LUCBL-41<br>Machine cable for CR800 controller, high flexible, 15m<br>Class 100100605: FA-Robot: Cable                           |
| <a href="#">324579</a> | RT ToolBox3 Standard<br>Robot programming and simulation Software, Windows 10/11; USB<br>Class 100101206: FA-Software: Software Robot |

| Material               | Description / Price List Text / Classification                                                                                                         |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">324580</a> | RT ToolBox3 Pro<br>Robot programming and simulation Software incl. MELFA-Works, Windows 10/11<br>Class 100101206: FA-Software: Software Robot          |
| <a href="#">325728</a> | 2F-DQ510<br>MELFA Smart Plus Card Pack A-Type<br>Class 100100604: FA-Robot: Interface Card                                                             |
| <a href="#">325729</a> | 2F-DQ511<br>MELFA Smart Plus Card A-Type<br>Class 100100604: FA-Robot: Interface Card                                                                  |
| <a href="#">325730</a> | 1F-02UCBL-41<br>Machine cable for CR800 controller, standard, 2m<br>Class 100100605: FA-Robot: Cable                                                   |
| <a href="#">327863</a> | 1F-20UCBL-41<br>Machine cable for CR800 controller, standard, 20m<br>Class 100100605: FA-Robot: Cable                                                  |
| <a href="#">327864</a> | 1F-20LUCBL-41<br>Machine cable for CR800 controller, high flexible, 20m<br>Class 100100605: FA-Robot: Cable                                            |
| <a href="#">334232</a> | RT ToolBox3 Standard UPGRADE<br>Robot programming and simulation Software, Windows 10/11, Upgrade; USB<br>Class 100101206: FA-Software: Software Robot |
| <a href="#">603944</a> | 4F-SF003-05<br>Safety option unit MELFA SafePlus II Slim for CR800 Controller<br>Class 100100604: FA-Robot: Interface Card                             |
| <a href="#">687249</a> | R86TB<br>Robot Teaching Box with 10,1" (Colour / Touch version)<br>Class 100100602: FA-Robot: Teachingbox                                              |